

Title (en)  
IMPROVEMENTS IN VAPORISERS

Publication  
**EP 0146220 B1 19900131 (EN)**

Application  
**EP 84306762 A 19841004**

Priority  
GB 8330948 A 19831119

Abstract (en)  
[origin: EP0146220A2] A vaporiser includes means 11 which may be an electronically controlled solenoid valve to divert repeatedly a carrier gas into either a first path which goes directly from the inlet 3 to the outlet 5 of the vaporiser or a second path which enters a vaporising chamber 13 to entrain volatile liquid vapour before re-joining the first path.

IPC 1-7  
**A61M 16/14; A61M 16/18**

IPC 8 full level  
**A61M 16/00** (2006.01); **A61M 16/14** (2006.01); **A61M 16/18** (2006.01); **B01D 1/14** (2006.01)

CPC (source: EP KR US)  
**A61M 11/00** (2013.01 - KR); **A61M 11/04** (2013.01 - KR); **A61M 16/18** (2013.01 - EP US); **Y10S 261/65** (2013.01 - EP US); **Y10S 261/74** (2013.01 - EP US); **Y10S 261/88** (2013.01 - EP US)

Cited by  
FR2673108A1; FR2672804A1; EP0449545A1; US5390665A; EP0700688A3; US5596984A; US5909731A; DE102005012340B3; FR2883189A1; GB2424588A; GB2424588B; EP0280846A1; GB2611097A; GB2611097B; US7726307B2

Designated contracting state (EPC)  
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0146220 A2 19850626; EP 0146220 A3 19860903; EP 0146220 B1 19900131; EP 0146220 B2 19930707**; AT E49892 T1 19900215; AU 3464984 A 19850523; AU 572903 B2 19880519; CA 1259545 A 19890919; DE 3481171 D1 19900308; DK 547684 A 19850520; DK 547684 D0 19841116; ES 537433 A0 19860401; ES 8605996 A1 19860401; GB 2150034 A 19850626; GB 2150034 B 19870318; GB 8330948 D0 19831229; JP H0375182 B2 19911129; JP S60114270 A 19850620; KR 850003506 A 19850620; US 4657710 A 19870414; ZA 848309 B 19850828

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**EP 84306762 A 19841004**; AT 84306762 T 19841004; AU 3464984 A 19841024; CA 467321 A 19841108; DE 3481171 T 19841004; DK 547684 A 19841116; ES 537433 A 19841107; GB 8330948 A 19831119; JP 21601184 A 19841015; KR 840006365 A 19841015; US 66061684 A 19841015; ZA 848309 A 19841024